

GABRIC, M.

Bituminous concrete. p. 256. CESTE I MOSTOVI. (Uprava za ceste  
NR Hrvatske) Zagreb. Vol. 4, no. 7. July 1956

SOURCE: East Europe Accession Lists (EEALS),  
Library of Congress, Vol. 5, no. 11, Nov. 1956

GABRIC, M.

Useful examples from the use of asphalt in the construction of roads in England.  
p. 354.

PET I SAOBRAĆAJ. (Društvo za puteve Srbije)  
Beograd, Yugoslavia. Vol. 4, no. 7/10, July/Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

KOZIC, Matija, dr.; GABRIC, Vladimir, dr.

Current views on the treatment and prognosis of cerebral  
tuberculoma. Liječn. vjesn. 86 no.6:715-721 Je '64

1. Iz Kirurske klinike Medicinskog fakulteta u Zagrebu.

VALJIC, Antur, dr.; GABRIC, Vladimir, dr.

Breast cancer. Mjese. vjesn. 86 no.10:1223-1234. ' 64

1. Iz Kirurske Klinike Medicinskog fakulteta Sveucilista u Zagrebu.

W. H. H. C. A.

prior to the new lumbering season. p. 6, (DANA INDUSTRIJA, Vol. 4, no. 9/10, Sept./Oct. 1953, Zagreb, Yugoslavia)

SG: Monthly list of East European Accessions, (LEAL), LC, Vol. 4, no. 1  
Jan. 1955, Uncl.

GABRICIĆ, A.

Motor saws in lumbering. n. 5. (LITVA IML STRIKA, Vol. 4, no. 11/12,  
Nov./Dec. 1953, Zagreb, Yugoslavia)

So: Monthly list of East European Accessions, (EAL), LC, Vol. 4, no. 1  
Jan. 1955, Uncl.

GABRICVIC, A.

Use of cables in exploitation of forests. p. 8. (DRVA INDUSTRIJA, Vol. 5, no. 3/4, Mar./Apr. 1954, Zagreb, Yugoslavia)

SO: Monthly list of East European Accessions, (LEAL, LG, Vol. 4, no. 1 Jan. 1955, Uncl.

GABRICEVIC, A.

"Beech Cellulose as an Important Article for Export." p. 6, (DRVNA INDUSTRIJA,  
Vol. 6, no. 1/2, Jan./Feb. 1955. Zagreb, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 4, No. 5, May 1955, Uncl.



"Machinery in the Timber Industry." p. 10, (DRVNA INDUSTRIJA, Vol. 6,  
no. 1/2, Jan./Feb. 1955. Zagreb, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 4, No. 5, May 1955, Uncl.

"International Market of Hard Timber." p. 12, (DRVNA INDUSTRIJA, Vol. 6,  
no. 1/2, Jan/Feb. 1955. Zagreb, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,  
Vol. 4, No. 5, May 1955, Uncl.

BOROVICH, L.S.; GABRICHEVSKIY, R.M.

New standards for the MUVF-type elastic clutches. Vest. mash.  
36 no.9:17-23 '56. (MLBA 9:10)

(Clutches (Machinery))

GABRICHEVSKY, B. N., inshener.

Improved reducing spur-gears and housing designed to reduce their  
weight. [Trudy] TSNITMASH 81:54-73 '56. (MLRA 9:12)  
(Gearing)

GABRICHIDZE, G. A.

GABRICHIDZE, G. A.: "The acclimatization of the principal foreign lumber plants in the subtropical regions of Adzhariya, and their use to enrich the variety of decorative woods." Published by the Acad Sci Georgian SSR. Acad Sci Georgian SSR. Inst of Botany. Tbilisi, 1956. (Dissertation for the Degree of Candidate in Biological Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

GABRICHIDZE, G A.

Rhythmic features of growth and length of flowering in principal  
mediterranean woody plants [in Georgian with summary in Russian].  
Izv. Bat. bot. sada no.8:116-125 '57. (MIRA 14:6)  
(Mediterranean Sea region--Trees)  
(Adzharistan--Plant introduction)

GABRICHIDZE, G.K.

Calculations of annular sloping spherical shells. Soob. AN Gruz.  
SSR 21 no.6:713-720 D '58. (MIRA 12:4)

1. Gruzinskiy politekhnicheskii institut im. S.M. Kirova, Tbilisi.  
Predstavleno chlenom-korrespondentom Akademii G.M. Mukhadze.  
(Elastic plates and shells) (Functions of complex variables)

GABRICHIDZE, G.K.

Calculation of spherical shells fixed at the pole. Soob. AN  
Gruz. SSR 33 no.3:601-603 Mr '64 (MIRA 17:8)

1. Institut stroitel'noy mekhaniki i seysmostoykosti, AN  
GruzSSR, Tbilisi. Predstavleno akademikom O.D. Oniashvili.



GABRICHIDZE, G.K.

Methods for calculating arched dams. Trudy Inst. stroi.mekh. i seism.  
AN Gruz. SSR 9:161-166 '63. (MIRA 17:12)

GABRICHIDZE, G.K.

Equation of the surface of arch dams. Trudy GPI [Gruz.] no.1:  
17-19 '63. (MIRA 18:2)

GABRICHIDZE, T.I.

Source of rivers in the southern Georgian volcanic highland.  
Soob. AN Gruz. SSR 38 no.1:97-102 Ap '65.

(MIRA 18:12)

1. Institut geografii imeni Vakhushti AN GruzSSR. Submitted  
Nov. 30, 1964.

24,6110 (1160, 1163, 1227)

S/181/61/003/005/004/042  
B101/B214

1.A.

AUTHORS: Stekhanov, A. I., Gabrichidze, and Eliashberg, M. B.

TITLE: Raman scattering of second order to low temperatures

PERIODICAL: Fizika tverdogo tela, v. 3, no. 5, 1961, 1331-1334

TEXT: The object of the present work was to extend the study of Raman scattering to temperatures lower than those hitherto used. Large homogeneous crystals were grown from a melt of KI,  $7 \times 7 \times 50$  mm samples of this crystal were cooled in a vacuum chamber with liquid nitrogen. The Raman spectrum was excited by the 2537-A resonance line of Hg and photorecorded by means of a quartz spectrograph which had a dispersion of 8 Å/mm in this spectral range. The recording required 15 hr at room temperature and 50 hr at lower temperatures. The figure shows the microphotographs of the Raman spectra at 300°K (a) and 77°K (b). It was found that the Raman spectrum of the second order of KI is continuous. At low temperatures the condition  $kT < \hbar\omega$  was satisfied, as  $\omega_{\max} = \frac{1}{2}\omega_{\max}$  was equal to  $170 \text{ cm}^{-1}$ . The expected difference in the distribution of Stokes frequencies at 300 and 77°K did not

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B101/B214

Raman scattering of second ...

appear. The explanation is that the strongly temperature dependent difference frequencies in Raman spectrum lie near the Rayleigh line. The difference frequencies in the high frequency part of the spectrum are only slightly temperature dependent, because one of the two frequency components is small. The small frequencies satisfy the condition  $kT > \hbar\omega$  also at 77°K. Therefore, it is assumed that the observed second order spectrum of the KI crystal consists of sum and difference frequencies whose temperature can be approximately described by the temperature factor  $Q^{(1)}$  of the spectrum of the first order. For the Stokes frequencies one obtains then

$$Q_s^{(1)} = 1/[1 - \exp(-\hbar\Omega/kT)] , \text{ and for the anti-stokes frequencies}$$

$$Q_a^{(1)} = 1/[\exp(\hbar\Omega/kT) - 1] , \text{ the lattice being in good agreement with the}$$

theory. The ultraviolet irradiation of the KI resulted in an intensive coloring of the crystal on account of the formation of F-centers in the lattice. The unchanged Raman spectrum of KI in the range of lower frequencies showed, however, no first-order scattering. From this it is concluded that the power of scattering of the F-centers in alkali halide crystals is insufficient. The most important conclusion is that the Raman spectrum of

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Raman scattering of second ...

S/181/61/003/005/004/042  
B101/B214

second order is continuous, which is in agreement with the crystal theory of Born. The interpretation of C. V. Raman and R. S. Krishnan (Refs. 9, 10, see below) assuming a discreteness of the spectrum of the second order could not be confirmed. There are 1 figure and 10 references: 6 Soviet-bloc and 4 non-Soviet-bloc. The 3 references to English-language publications read as follows: C. V. Raman, Proc. Ind. Acad. Sci., A26, 339-398, 1947; R. S. Krishnan, Proc. Ind. Acad. Sci., A18, 298, 1943; R. S. Krishnan, Nature, 159, 266, 1947.

ASSOCIATION: Fiziko-tehnicheskiy institut imeni akad. A. F. Ioffe, AN SSSR, Leningrad (Institute of Physics and Technology imeni Academician A. F. Ioffe, AS USSR, Leningrad)

SUBMITTED: December 1, 1960

Figure. Microphotographs of the Raman spectra of the second order of KI crystal.

Legend: a) 300°K, b) 77°K.

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STEKHANOV, A.I.; GABRICHIDZE, Z.A.

Effect of the crystal structure on the vibration spectrum of  
hydrogen bonding. Opt. i spektr. 11 no.3:359-361 9 '61.  
(MIRA 14:9)

(Hydrogen bonding) (Crystal lattices)

L 11068-63 EWT(1)/BDS/ES(s)-2--AFFTC/ASD/ESD-3/SSD--Pt-4--CG

ACCESSION NR: AP3000610

S/0181/63/005/005/1335/1338

AUTHOR: Stekhanov, A. I.; Gabrichidze, Z. A.

TITLE: The Raman effect<sup>21</sup> in Rochelle salt

SOURCE: Fizika tverdogo tela, v. 5, no. 5, 1963, 1335-1338

TOPIC TAGS: Raman effect, Rochelle salt, ferroelectric effect, paraelectric effect, hydrogen bond, vibrational spectrum, Hg

ABSTRACT: The authors have obtained a very complete vibrational spectrum of the hydrogen bond in Rochelle salt. They produced the Raman effect in a crystal of the salt by means of the 2537-Angstrom line of mercury, and they recorded the result by means of a quartz spectrography with dispersion of 10 Angstroms per mm in the region of the O-H vibration. The crystals were arranged to receive excitation light at an angle of 15 degrees to the ferroelectric axis, and the scattering was observed along the c axis. During transition in the crystal from the paraelectric to the ferroelectric state a characteristic shift in frequencies and a redistribution of intensities in the spectrum were detected. The authors associate these with a change in crystal structure. The results do not support the view of molecular mechanism as proposed to explain the ferroelectric effect in Rochelle salt. Orig. art. has: 1 figure and 1 table.

Card 1/2 *fiz. tech. inst. in A.F. Zolotarev, AN SSSR*



STEKHANOV, A.I.; GABRICHIDZE, Z.A.

Raman effect in the ferroelectric crystal of ammonium sulfate.  
Fiz. tver. tela 5 no.11:3105-3109 N '63. (MIRA 16:12)

1. Fiziko-tehnicheskii institut imeni A.F.Ioffe AN SSSR,  
Leningrad.

L 3957-66, EWT(1)

ACCESSION NR: AP5025302

UR/0051/65/019/004/0575/0582  
535.375:546.212

34  
6

AUTHOR: Gabrichidze, Z. A. 44.55

21,44.55  
TITLE: Investigation of Raman scattering of water, saturated water solutions of electrolytes, and ice crystals

SOURCE: Optika i spektroskopiya, v. 19, no. 4, 1965, 575-582

TOPIC TAGS: Raman scattering, valency vibration, water molecule, Raman spectroscopy, vibrational spectrum

ABSTRACT: The Raman spectra of water, water solutions of LiCl, NaCl, CaCl<sub>2</sub>, SrCl<sub>2</sub>, LiBr, and NaBr, and crystals of ice were investigated at 300 and 350K. The Raman scattering was excited by an Hg source at 2537 Å and was registered in the spectral region of the C-H valency vibrations. The positions of the peaks observed at 300 and 350K are summarized in Table 1 of the Enclosure. Using the concept of a two-structure model of water and the type of interaction of water molecules with ions of salts, an interpretation was provided for the peaks in the region of O-H valency vibrations. Orig. art, has: 6 figures and 1 table. [CS]

Card 1/3

L 3967-66

ACCESSION NR: AP5025302

ASSOCIATION: none

SUBMITTED: 06Jul64

NO REF SOV: 011

ENCL: 01

OTHER: 017

SUB CODE: OP, GC

ATD PRESS: 4118

Card 2/2

L 3967-66

ACCESSION NR: AP5025302

ENCLOSURE: 01

0

Table 1. Frequency of O-H valency vibrations- $\gamma_v$

Substance	T, °K	$\gamma_v$ (cm <sup>-1</sup> )			
H <sub>2</sub> O	350 300	— 3050	3240 3210	3440 3450	3610 3620
Saturated water so- lutions of salts:					
LiCl	300			3440	
NaCl				3455	
CaCl <sub>2</sub> ·6H <sub>2</sub> O				3440	
SrCl <sub>2</sub> ·6H <sub>2</sub> O				3450	
LiBr				3450	
NaBr				3465	

PC  
Card 3/3

L 12825-66 EWT(1)/EWT(m)/EWP(j) RM

ACC NR: AP6001643

SOURCE CODE: UR/0051/65/019/006/0913/0915

AUTHOR: Gabrichidze, Z. A.

ORG: None

TITLE: Investigation of the Raman spectrum of a monohydrate lithium sulfate crystal

SOURCE: Optika i spektroskopiya, v. 19, no. 6, 1965, 913-915

TOPIC TAGS: lithium compound, single crystal, Raman spectrum, x ray analysis, hydrogen bonding

ABSTRACT: The author obtained the Raman spectrum of monohydrate lithium sulfate crystal ( $\text{Li}_2\text{SO}_4 \cdot \text{H}_2\text{O}$ ) at various temperatures. The single crystals were grown from an aqueous solution and the scattering was excited by the  $2,537 \text{ \AA}$  resonant line of mercury and registered with the aid of a quartz spectrograph (Q-24) with dispersion  $10 \text{ \AA/mm}$  in the region of O-H vibrations. The crystal spectra were obtained at 293 and 77K in natural and polarized light. At room temperature the spectrum constitutes a band extending from  $3200$  to  $3800 \text{ cm}^{-1}$  with two broad maxima at

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UDC: 535.375.548.0

L 12825-66

ACC NR: AP6001643

3446 and 3620  $\text{cm}^{-1}$ . At 77K there are three intense and two weak and sharp Raman lines, located at 3414, 3462, 3502, and 3510, 3616  $\text{cm}^{-1}$ . The 3462  $\text{cm}^{-1}$  is fully polarized in a direction perpendicular to the a axis, whereas the 3414 and 3502  $\text{cm}^{-1}$  are depolarized in the direction both perpendicular and parallel to a. The results are interpreted from the point of view of the x-ray structural analysis of the crystal. It is confirmed, in particular, that the crystal has two molecules per unit cell and the crystallization water molecule can form only two hydrogen bonds with lengths 2.87 and 2.94 Å. The appearance of three intense lines in the Raman spectrum (rather than two) indicates that in one of the hydrogen bonds the proton has two equilibrium positions. The nature of the weak lines is briefly discussed. Author is grateful to A. I. Stekhanov for continuous interest in the work. Orig. art. has: 2 figures. [02]

SUB CODE: 20/ SUBM DATE: 21Sep64/ ORIG REF: 003/ OTH REF: 008  
ATD PRESS: 4183

Card

GABRIEL, Andras, dr.

Role of the useful water content of soils in the determination of the quantity of irrigation water. Hidrologiai közlöny 43 no.2:113-118 Ap '63.

1. Agrártudományi Egyetem Feldmeréstani és Kulturtechnikai Tanszéke, Gedölle.

GABRIEL, Andras, dr.; OROSZLANY, Istvan, dr.

Some words about puddle formation. Hidrologiai kozlony 43  
no.4:299-300 Ag'63.

1. Agrartudomanyi Egyetem, Godollo. 2. "Hidrologiai Kozlony"  
szerkeszto bizottsagi tagja (for Oroszlany).



GABRIEL, D.

Determination of the river bed by means of a nomogram. p. 323.

VODNI HOSPODARSTVI. Praha, Czechoslovakia. No. 8, August 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,  
November 1959.

Uncl.

GABRIEL, Gyozo

Hardening after cylinder boring. Mezogazd techn 1 no.1:15  
'61.

GABRIEL, Gyosso

What will the ideal tractor be like? Mezogazd techn 1 no.2:1-4  
'61.

GABRIEL, Gyoza

Some data on the V-belt. Mezogazd techn 1 no.2:14 '61.

1. Fomernok.

GABRIEL, Gyozo

Accumulator: the electric heart of motor vehicles and tractors.  
Mezogazd techn 1 no.3:10-11 '61.

GABRIEL, Gyozo

Causes for tractor overturns and their prevention. Mezogazd  
techn 1 no.7:1-3 '61.

GABRIEL, Gyozo

From horse traction to 220 h.p. Mezogazd techn 1 no.12:8-11  
'61.

GABRIEL, Gyoza

"Mixture formation and the process of combustion in Diesel motors" by Gyorgy Sitkei. Reviewed by Gyoza Gabriel. Magyar Tud 68 no.12:777-778 D '61.

1. Fomernak, Foldmuvelésügyi Minisztérium.



GABRIEL, Gyozo

Stability of tractors and the reduction of overturns. Munkavelelem  
8 no.4/6:21-28 '62.

GABRIEL, Gyozo

Safety connected with the ingathering of cereals. Munkavedelem  
9 no.4/6:25-29 '63.

GABRIEL, Gyozo

Kilogram or kilopond? Mezogazd techn 4 no.12:6-7 '64.

CABRIEL, J.

"Accumulations on Rivers, Their Significance for the Liquidation of Sewage, and Their Relation to Secondary Contamination," Prague, Ceskoslovenska Hygiene, Vol. V, No. 2-3, Mar 60, p. 166.

Affiliation: Inst. of Hygiene in Prague.

*Model, D.*

*note* V13045\* (Czech.) New All-Purpose Machine for Surface  
Flame Hardening. Nový univerzální stroj na povrchové ka-  
lení plamenem. New Techniques. Nova Technika. Jar. Gab-  
riel. Strojírenská Výroba, v. 4, no. 4, Apr. 1956, p. 157-161  
Advantages of surface hardening, and range of application.  
Description and uses of new machine, and its advantages over  
previous flame-hardening methods and apparatus

*of*

DOSHKARZH, I. [Doskar, Josef], inzh. doktor; VALIKHRAKH, O. [Valihrach, Otakar], inzh.; GABRIYEL', Ya. [Gabriel, Jan]; KASHTANEK, O. [Kastanek, Otakar]; ZHUKOV, A.A. [translator]; EMINGER, Z., doktor nauk, retsenezent; POLYAKOV, Ya.G., red.; KRAUS, O., glav. red.; SIROTIN, A.I., red. izd-va; EL'KING, V.D., tekhn. red.

[Precision casting in ceramic molds] Tochnoe lit'e v keramicheskie formy. Pod red. I.A.G. Poliakova. Moskva, Mashgiz, 1962.  
295 p. (MIRA 16:2)

(Precision casting)

GABRIEL, Jan

Water soluble mold materials for precision casting. Slevarenstvi  
11 no.6:230-232 Je '63.

1. Zavody presneho strojirenstvi, Gottwaldov.

GABRIEL, J.

27  
The influence of additives on the properties of chromium electrolytes and coatings. IV. Gabriel, *Stavitskii* 8, 923-8 (1958). - The results of tests with 15 additives added to the plating soln. were evaluated. Hardness of the coating, its appearance and thickness, and the process technique are given. The plating was done in acid medium, such as  $H_2SO_4$ , alone or in combination with  $H_2SiF_6$  and  $SrSO_4$ .  
Jos. Lederer—

Distr: 4E2c

3  
1



GABRIEL, J.  
COUNTRY : Czechoslovakia H-28  
CATEGORY :  
ABS. JOUR. : RZKhim., No. 1959, No. 73086  
AUTHOR : Gabriel, J.; Orel, V.; Sadilek, J.  
INST. :  
TITLE : Expansion of Mayonnaise Manufacture in  
Czechoslovakia  
ORIG. PUB. : Prumysl potraviny, 1958, 9, No 4, 158-200  
ABSTRACT : It is reported that in Czechoslovakia it is  
proposed to increase the manufacture of the following kinds  
of mayonnaise (M): M with horse-radish, M with tomato paste,  
and M containing 80% fat. To improve consistency of M it  
has been decided to include a homogenizer in the techno-  
logical production line. -- G. Titov.

CARD: 1/1

101

GABRIEL, J.

"Mechanization and automation of curd plants. p. 571."

FRUMYSL POTRAVIN. Praha, Czechoslovakia. Vol. 9, no. 11, 1958.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59 unclas

GABRIEL, J.

"Disinfection of water in the food industry."

PRŮMYSL, POTRAVIN. Praha, Czechoslovakia, Vol. 10, no. 1, January, 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, No. 7, July 1959.  
Uncl.

ZDRAHAL, I.; GABRIEL, J.; LICHY, J.

Contribution to the diagnosis of sinus pericranii. Cas.lek.cesk.  
99 no.46:1450-1456 11 N '60.

1. Neurologická a neurochirurgická klinika KU v Hradci Kralove,  
prednostove prof. Dr. Ss. MUDr. M. Serci a prof. MUDr. R.Petr.  
(CRANIAL SINUSES abnorm)  
(SKULL abnorm)

SYMON, K.; GABRIEL, J.

Hygiene of water. Cesk. hyg. 7 no.6:330-337 J1 '62. Cesk. hyg.  
7 no.6:330-337 J1 '62.  
(WATER SUPPLY) (WATER POLLUTION prev & control)

GABRIEL, Jaroslav, MUDr.

The department of public health organization in a medical school in the light of the unity of theory and practice. Cesk. zdrav. 10 no.9: 455-460 '62.

1. Reditel fakultni nemocnice v Hradci Kralove.  
(PUBLIC HEALTH ADMINISTRATION) (EDUCATION MEDICAL)

GABRIEL, J., MUDr.

Problems in management and control of clinical work areas. Cesk.  
zdrav. 10 no.12;617-620 '62.

1. Fakultni nemocnice v Hradci Kralove.  
(INDUSTRIAL MEDICINE) (HOSPITALS)

S/276/63/000/002/050/052  
A052/A126

AUTHOR: Gabriel, Jan

TITLE: A compound for dispensable patterns

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 2, 1963, 50, abstract 26258 P. (Czech pat., cl. 31c, 8/07, no. 101746, November 15, 1961)

TEXT: A compound for making dispensable patterns is patented in which bees-wax is substituted by a cheap microcrystalline wax ( a product of petroleum processing, a mixture of paraffin, isoparaffin and naphthene hydrocarbons). The compound consists of (in %): 50 montan wax, 30 microcrystalline wax, 10 ceresin, 10 colophony. By its properties the patented compound is not inferior to the bees-wax base compound.

V. Palestin

(Abstracter's note: Complete translation.)

Card 1/1



NAVRATIL, P. MUDr.; NOVAKOVA, H., MUDr.; LONSKA, V. MUDr.; GABRIEL, J.,  
MUDr.

Contribution to the use of plastic materials in public  
health. Cesk. zdrav. 12 no.4:201-203 Ap'64

1. Fakultni nemocnice Hradec Kralove.

STRNAD, L., prom. ekonom.; GABRIEL, J. MUDr.; NOVAKOVA, H. MUDr.

On teaching social sciences and public health at medical  
faculties. Cesk. zdrav. 12 no.10:525-528 0 '64.

1. Katedra zdravotnictvi lekarske fakulty Karlovy University  
v Hradci Kralove.

GABRIEL, J., MUDr.; NOVAKOVA, H., MUDr.; STEPAN, L., prom. ekonom.;  
GATSLER, J. MUDr.; BIDMAN, J., MUDr.; HORAK, Fr., Technicka  
spoluprace CERNA, V.

Study of a group of diseased patients in the University Hospital  
in Hradec Kralove for a 1-year period. Cesk. zdrav. 12 no.11:  
543-555 N ' 64.

1. Katedra organizace zdravotnictvi lek. fak. Karlovy University  
a Krajsky ustav narodniho zdravi v Hradci Kralove za odborne  
spoluprace klinickych pracovniku.

MADVORNIK, F.; BERAN, J.; NEMECUK, S.; ROZSIVAL, V.; MAURERMAN, Z.; GABRIEL, J.

Clinical and anatomical correlations in spinal cord injuries  
(methodical study). Rozhl. chir. 43 no.10:658-662 O '64.

1. Neurochirurgická klinika (prednosta prof. dr. E. Petr),  
Ústav soudního lékařství (prednosta doc. dr. J. Beran),  
lékarské fakulty Karlovy University v Hradci Králové.

STRNAD, L. prom. ekonom.; GABRIEL, J., MUDr.; NOVAKOVA, H., MUDr.

Motivation of patients to visit physicians and some problems in organization of health care in urban health communities. Cesk. zdrav. 13 no.1:4-9 Ja '65

1. Katedra zdravotnictvi lekarske fakulty Karlovy University v Hradci Kralove.

GABRIEL, J., MUDr.; PAJERTOVA, B., MUDr.; KORNIG, A., MUDr.; ROZSIVAL, V.,  
MUDr.

4: the possibility of differentiated care under modern conditions. Czech. zdrav. 13 no.2:53-59 Feb.

1. Katedra organizace zdravotnictví lékařské fakulty Karlovy University v Hradci Králové a Fakultní nemocnice Krajského ústavu národního zdraví v Hradci Králové.

STRNAD, L., prom. ekonom; GABRIEL, J., MUDr.

A sociological contribution to the work of the physician and nurse. Cesk. zdrav. 13 no.3:114-121 Mr '65

1. Katedra zdravotnictví lékařské fakulty Karlovy University v Hradci Králové; Technická spolupráce: Organizační metodické oddělení Krajského ústavu národního zdraví v Hradci Králové.

DOBIAS, J.; GABRIEL, J.; RUZICKOVA, V.

On the current status of pathological and anatomical service.  
Cas. lek. Cesk. 104 no.44:1223-1225 5 N '65.

1. II. patologickoanatomicky ustav fakulty vseobecneho lekarstvi  
Karlovy University v Praze (prednosta prof. dr. B. Bednar, DrSc.).  
a Ministerstvo zdravotnictvi v Praze.



Biochemistry

CZECHOSLOVAKIA

UDC 616-008.9

GABRIEL, J.; MASEK, K.; Ministry of Health (Ministerstvo Zdravotnictvi), Prague; Chair of Clinical Biochemistry at the Institute for Postgraduate Training of Medical and Pharmaceutical Graduates (Katedra Kliniky Biochemie Institutu pro Dalši Vzdelavani Lekaru a Farmaceutu), Prague, Head (Vedouci) Docent Dr K. MASEK.

"Future of Clinical Biochemistry in Czechoslovakia."

Prague, Casopis Lekaru Ceskych, Vol 105, No 48, 2 Dec 66, pp 1297 - 1299

Abstract: The needs of health services are discussed. The importance of laboratory work for the maintaining and improving of health standards is described. The allocation of personnel to laboratories attached to various kinds of medical institutions is discussed. Types of activities required in the various kinds of biochemical laboratories are described. Importance of biochemistry in preventive medicine is evaluated. Apparatus required for the operation of biochemical medical laboratories is discussed. Importance of minimizing personnel requirements and maximizing automatic operations in these laboratories is stressed. No references. (Manuscript received Sep 66)

GABRIEL, Jaroslav, inz.

Scientific and technical cooperation among the socialist  
countries. Doprava 7 no.2:134-136 '65.

CELENTE, I.; CIOBANU, G.; GABRIEL, M.

Mechanization of agriculture, an important factor in the increase of  
production and labor productivity. Probleme econ 14 no.7:27-42 J1 '61.

NECAS, O.; JANISCH, R.; JAHODA, J.; GABRIEL, M.

Division of the nuclei of naked yeast protoplasts. Folia biol. 7  
no.3:202-205 '61.

1. Department of Biology, Medical Faculty, Purkyne University,  
Brno.

(CELL NUCLEUS) (YEASTS)

GABRIEL, O., in z.

Contribution to the economy of boring operations. Stavivo 42  
no.5:176-178 My '64.

1. Vitkovické železářny Klementa Gottwalda, Plant Koutouc,  
Stramberk.

GABRIEL, Oldrich, inz.

Results of the Babbittless crusher operation in the Kotouc quarry.  
Rudy 13 no.3:99-101 Mr '65.

1. Vitkovicke zelezarny Klementa Gottwalda National Enterprise  
18, Kotouc-Stramberk.

GABRIEL, P.

A study of the water-regulating reservoir of a hydroelectric plant working during peak consumption hours. p.112.  
(Vodohospodarsky Casopis, Vol. 5, No. 2, 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

GABRIEL, P.

"Changes in the water surface during natural flow." p.26

VODOHOSPODARSKY CASOPIS (Slovenska akademii vied) Bratislava, Czechoslovakia,  
Vol. 7, no. 1, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.



GABRIEL, P.; STICH, O.

Measurement of hydraulic parameters in the channel of the Dubnica-Skalka hydroelectric plants. p. 316.

VODOHOSPODARSKY CASOPIS. (Slovenska akademia vied) Bratislava. Czechoslovakia, Vol. 7, no. 4, 1959

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2, Feb. 1960

Uncl.

GABRIEL, P. inz.; GRUND, I., inz.

Liptovska Mara-Besenova Waterworks. Vod hosp 13 no.11: 433'63.

GABRIEL, P., inz.; GRUND, I. inz.

Design of building stages of the Liptovska Mara Waterworks.  
Vod hosp 13 no.11: 417 '63.

GABRIEL, T.

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CZECH

A simple automatic fraction collector. Z. Kotásek, F. Belohradský, K. Motýčka, and T. Gabriel (Výzkumný ústav kožedělný, Otrokovice, Czech.). *Chem. Listy* 49, 1087-90 (1955).—An automatic fraction collector has been designed for chromatography which permits collection of 1-75 fractions of the vol. 10-250 ml. with an accuracy within  $\pm 1\%$ . The automatization is based on vol. fractionation but can easily be changed to time fractionation which proved to be more suitable with small vol. (1-10 ml.).

M. Hudlíček

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GABRIEL, V.

Individual driving of cotton looms.

p. 357 (Industria Textila) Vol. 8, No. 8, Aug. 1957, Bucuresti, Rumania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

GABRIEL, Vladimir

Troubles in electric commutators. Elektrotechnik 17 no.5:149  
My '62.

W. GABRIEL

"For the proper storing of potatoes" page 44 (NOWE POLNICTWO. Vol. 2,  
No. 9, Sept. 1953 Warszawa, Poland)

SO: East European, LC Vol.2 No. 12, Dec. 1953

GABRIEL, W.

Harvesting and storing sugar-beet seedlings. p. 41. (NOWE ROLNICTWO. Vol. 2, no. 10, Oct. 1953)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954



GABRIEL, W.

"Size of seed potatoes." (p.52) *NOWE ROLNICTWO* (Panstwowe Wydawnictwo Rolnicze in Lesne) Warszawa, Vol. 3, no. 4, Apr. 1954

SO: EAST European Accessions List, Vol 3, no. 8, August 1954

Card 1/1

Collected Plants, Potatoes, Cucurbits,  
ALL. SOUR : Sel. Sborn. Biologiya, No. 5, 1959, No. 20297

AUTHOR : Gabriel, Wojciech

INST. : --

TITLE : The Problem of Potato Degeneration.

ORIG. PUB.: Potapny nauk roln., 1957, 1, No. 1, 15-29

ABSTRACT : A survey of contemporary scientific theory related to the causes of potato degeneration. Three theories are examined: 1) aging of varieties, 2) the effect of ecological circumstances on degeneration (the significance of high temperatures and the role of summer potato plantings to prevent this phenomenon) and 3) viral degeneration of the potato. The bibliography lists 79 titles.  
--Ye.M. Tsvetayeva

1/1

GABRIEL, Wojciech

First observations on the occurrence of virus M in potatoes in Poland. Postepy nauk roln 7 no.1:41-51 Ja/F '60. (EEAI 9:10)

1. Zaklad Ziemniaka Instytutu Uprawy, Nawozenia i Gleboznawstwa.  
(Poland--Potatoes) (Viruses)

GABRIEL, Wojciech

Remarks on the suitability of aphid control in potato crops in Poland. Postepy nauk roln 8 no.3:27-38 My-Je '61.

BIRECKI, M.; GABRIEL, W.; PIECHOWIAK, K.

Summer planting of late potato varieties. Rocznik nauk rolniczych 82 no.3:  
739-778 '61.

1. Zakład Ziemniaka, Instytut Uprawy, Nawożenia i Gleboznawstwa, i  
Katedra Szczegółowej Uprawy Roslin, Wyższa Szkoła Rolnicza, Poznań.

GABRIEL, Wojciech

The importance of some aphids species in the spread of virus diseases in potato crops. Rocz nauk roln rosl 83 no.3:463-504 '61.

1. Praca doktorska wykonana w Zakladzie Ziemniaka Instytutu Uprawy, Nawozenia i Gleboznawstwa, promotor prof. dr. M. Birecki.

GABRIEL, Wojciech

Modern methods of limiting the spreading of virus diseases in seed potato plantations. Postepy nauk roln 9 no.3:23-42 My-Je 1962.

1. Zaklad Ziemniaka, Instytut Uprawy, Nawozenia i Gleboznawstwa, Warszawa, Kierownik: prof. dr M. Birecki.

BIRECKI, M.; GABRIEL, W.; OSINSKA, J.

Influence of agrotechnical treatments on the seed value of seed potatoes. Pt. 1. Rozz nauk roln rosl 88 no.2:235-258 '64.

1. Potato Research Department, Institute of Cultivation, Manuring and Soil Science, Warsaw.



BIRECKI, M.; GABRIEL, W.; WALCZAK, W.

Influence of agrotechnical treatments on the seed value of seed potatoes. Pt. 2. Rocznik nauki rolniczej 88 no. 3: 461-483 '64.

1. Potato Research Laboratory, Institute of Cultivation, Manuring and Soil Science, Warsaw.

GABRIEL, Zdenek, inz.

Safety devices for air transportation and the present problems.  
Letecky obzor 7 no.6:161 Je '63.

GABRIEL, Zdenek

Mechanized recording of fixed capital. Cs spoje 8 no.1:22-24 F '63.

1. Ustredni sprava spoju.

GABRIEL, Zdenek, inz.

Pay utmost attention to the safety of aerial operations. Letecký obzor  
8 no.2:33 F '64.

PROCHAZKA, Josef; GABRIEL, Zdenek, inz.; PAZNOCHT, Jar., inz.;  
BERANEK, Vitezslav; ZELINSKY, Jan

How we are prepared for the winter operation. Letecký obzor  
8 no.11:321-323 N '64.

1. Technical manager of the Czechoslovak Airlines (for Prochazka). 2. Deputy Manager of the SiS (for Gabriel and Paznocht). 3. Manager of the Prague Airport (for Beranek). 4. Manager of the Bratislava Airport (Zelinsky).

GABRIEL-JUNG, W.

The culture of field crops after harvesting early potatoes. p. 11. (PLON, Vol. 4, No. 7, 1953.)

SO: Monthly List of East European Accessions, L.<sup>U</sup>., Vol. 3, No. 4, April, 1954

Country : ROMANIA  
 Category : Human and Animal Physiology. T  
 The Nervous System. Vegetative Nervous System.  
 Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106822  
 Author : Gabrieloscu-Velican, Elena; Folberg, B.\*  
 Institut. : -  
 Title : The Correlation between Excitation Thresholds  
 and Histochemical Substrata (Polysaccharides)  
 in Superior Cervical Sympathetic Ganglions of\*\*  
 Orig Pub. : Fiziol. norm. si patol., 1957, 4, No 6, 525-531  
 Abstract : The reaction intensity of superior cervical ganglionic nerve cells in cats to polysaccharides is inversely proportional to the threshold excitation of cells. The minimal rectangular current intensity of constant frequency which caused contractions of the third palpebra when preganglionic fibers were stimulated, was determined.

Card: 1/1

RUMANIA/Human and Animal Morphology - (Normal and Pathological) S  
Nervous System. Peripheral Nervous System.

Abs Jour : Ref Zhur Biol., No 6, 1959, 26113

Author : Gabrielescu-Velican, Elena, Zamfirescu, N.; Bordeianu,  
A.; Felberg, B.

Inst : Rumanian Academy of Sciences

Title : Histochemical Changes of Polysaccharides of the Superior  
Cervical Sympathetic Ganglion of Cat in Irritation of  
preganglionic Fibers.

Orig Pub : Commun. Acad. RPR, 1957, 7, No 9, 819-825

Abstract : The preganglionic trunk of superior sympathetic ganglion  
of cat was irritated with electric currents of various  
frequency and intensity; duration of effect from 10 min  
to 2 hours. The physiological state of the ganglion was  
judged by third eyelid contraction or current of effect.

Card 1/2



RUMANIA/Human and Animal Morphology - (Normal and Pathological)  
Nervous System. Peripheral Nervous System.

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Abs Jour : Ref Zhur Biol., No 6, 1959, 26113

In irritation which induced the reaction within the limits of physiologic standard, pulverisation of polysaccharide granules in parikaryon (methods of Mac Manus-Hotchkiss and Bauer) was observed; with great frequencies of the current, fundamental changes of polysaccharides were not noted. In pessimum induced by strong current, disappearance of polysaccharides took place. In the period of restoration after irritation, PAS reaction increased. -- V.V. Portugalov

Card 2/2

- 22 -

GABRIELI, Elena; BUDULICI, I.

The influence exerted by the higher nervous centers in hypophyseal-uterovarian relationships; the action of benzedrine upon the biological pregnancy test in impubescent female rats. Rumanian M. Rev. 2 no.2:18-19 Apr-June 58.

(AMPHETAMINE, eff.

on pregn. test in impuberal rats, response of hypophyseal-uterovarian system to higher nerv. funct.)

(PREGNANCY TESTS,

eff. of amphetamine on impuberal rats, response of hypophyseal-uterovarian system to higher nerv. funct.)

(CENTRAL NERVOUS SYSTEM, physiol

higher nervous funct. in hypophyseal-uterovarian response to eff. of amphetamine on pregn. tests in impuberal rats)

(HYPOTHALAMUS, physiol.

same)

(UTERUS, physiol.

same)

(OVARIES, physiol.

same)

T  
COUNTRY : Rumania  
CATEGORY : Human and Animal Physiology, The Nervous System  
ABS. JOUR. : RZhFiol., No. 5 1959, No. 22418  
AUTHOR : Gabrielescu, E.; Bordeianu, A.  
INST. : ~~\_\_\_\_\_~~  
TITLE : An Investigation of the Morphological Reaction of  
the Nerve Endings of the Uterus when Physiologic-  
ally Stimulated.  
ORIG. PUB. : Morfol. normala si patol., 1958, 3, No. 2, 173--179  
ABSTRACT : No abstract

Card: 1/1

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GABRIELIUSCU, Elena

Histochemical research on the variations of hydrocarbonized fractions and their connections with proteins during phases of excitation and inhibition of the superior cervical ganglion. Studii cerc. fiziol. 4 no.3:335-343 '59. (EEAI 9:5)

1. Institutul de fiziologie normala si patologica "Prof. Dr. D. Danielopolu" al Academiei R.P.R.  
(HYDROCARBONS) (PROTEINS) (NERVOUS SYSTEM) (BRAIN)